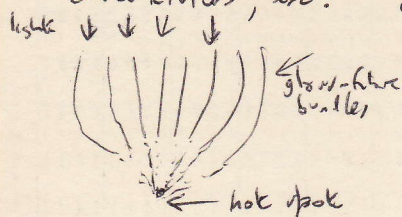


SOLAR HOT-AIR BALLOONS

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1986 Sept 22

There must be an efficient way of using solar energy to heat the air in a semi-enclosed balloon, e.g. through lenses, glass fibre concentrators, etc. Combusted air contains an above-average amount of CO_2 , and is more dense than ordinary air.



GLASS FIBRE RIBBONS FOR ENERGY DUCTING

1986 Sept 22



Glass fibres should be good for energy conduction as they can be made with ^{very} low energy attrition. For bulk energy transfer, a flat ribbon-~~like~~ fibre ^{or bundle} might be more feasible, as it could be flexed unlike a large round one.

Achul collection surface could be round or hexagonal for max absorption, changing to a ribbon for the transmission stage.

PERFORATING PAPER

1986 Sept 22

A good way to perforate paper and card might be to burn holes through with a laser, rather than punching them. It should be possible to get very precise holes, even with ~~regular~~ square cross-sections instead of round, or other shape.